

Title (en)  
VALVE FOR A FLUID

Title (de)  
VENTIL FÜR EIN FLUID

Title (fr)  
SOUPAPE POUR UN FLUIDE

Publication  
**EP 3983708 C0 20240403 (DE)**

Application  
**EP 20735264 A 20200609**

Priority  
• DE 102019004098 A 20190612  
• EP 2020000113 W 20200609

Abstract (en)  
[origin: CA3137230A1] The invention relates to a valve. A valve seat (2) surrounds a fluid passage (20) for the passage of a fluid from a fluid chamber (3). A holding element (4) exerts a holding force, acting in the direction of a valve seat (2), onto a valve body (1). In the event that the fluid acts with a force or a pressure above a limit value on an effective surface (10) of the valve body (1), the valve body (1) is removed from the valve seat (2). In the event that the fluid acts with a force or a pressure above a limit value on an effective surface (40) of the holding element (4), the holding force acting on the valve body (1) decreases. Consequently, the fluid acts on the holding element (4) more strongly and/or earlier than on the valve body (1).

IPC 8 full level  
**F16K 31/08** (2006.01); **F16K 17/04** (2006.01)

CPC (source: CN EP US)  
**F16K 1/00** (2013.01 - CN); **F16K 1/32** (2013.01 - CN); **F16K 1/465** (2013.01 - CN); **F16K 17/042** (2013.01 - EP US); **F16K 17/0433** (2013.01 - EP); **F16K 31/003** (2013.01 - EP US); **F16K 31/084** (2013.01 - EP US); **F16K 31/086** (2013.01 - EP US); **F16K 31/1262** (2013.01 - EP US); **F16K 31/1266** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**DE 102019004098 A1 20201217**; AU 2020291583 A1 20211111; CA 3137230 A1 20201217; CN 114008359 A 20220201; EP 3983708 A1 20220420; EP 3983708 B1 20240403; EP 3983708 C0 20240403; US 11713823 B2 20230801; US 2022252171 A1 20220811; WO 2020249253 A1 20201217

DOCDB simple family (application)  
**DE 102019004098 A 20190612**; AU 2020291583 A 20200609; CA 3137230 A 20200609; CN 202080043310 A 20200609; EP 2020000113 W 20200609; EP 20735264 A 20200609; US 202017596159 A 20200609